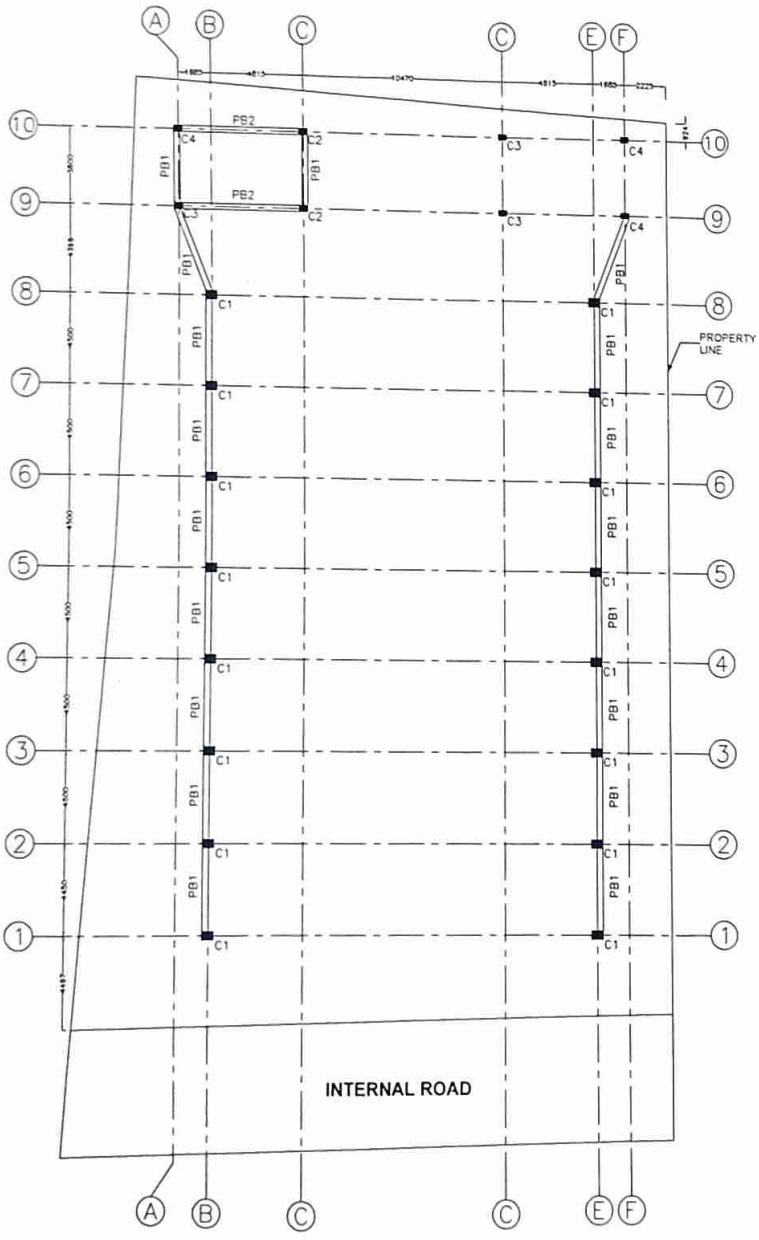
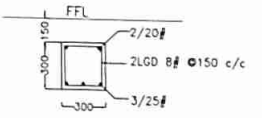
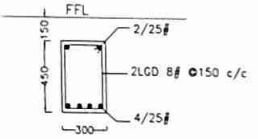


PLINTH BEAM DETAILS



PB1
(300X300)



PB2
(300X450)

N

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STRUCTURAL ENGINEERS, ARCHITECTS
& PROJECT MANAGEMENT CONSULTANTS

PROJECT: CONSTRUCTION OF SWIMMING POOL AT WARD NO.7, AMRUTHAHALLI, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE

CLIENT: BBMP

TITLE: PLINTH BEAM DETAILS

DRAWN: VIJAYALAKSHMI

CHECKED: R. RUDRAPRASAD

DATE: 28.08.2019

DRG. NO: SA/ST-05

SCALE: NTS

REV: R0

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

ATTESTED
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ಯೋಜನೆ ವಿಭಾಗ ,ಯಲಹಂಕ ವಲಯ
ಬೃ.ಬೆಂ.ಮ.ಪಾ, ಬೆಂಗಳೂರು - 92,

Attested
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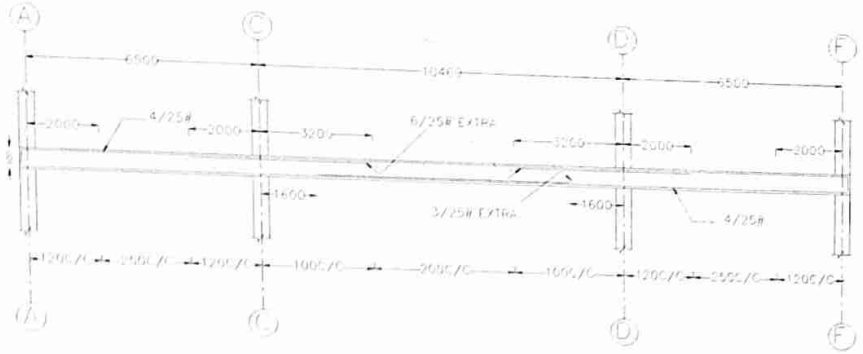
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನ



2LGD 12# @

BEAM B1
(300X600)

2LGD 13# @

BEAM B2
(450X1300)

NOTE : Diff centre of Beams by 40mm

BEAM B3
(200X600)

BEAM B4
(300X1300)

GROUND FLOOR ROOF BEAM DETAILS

N

NOTES

1) Do Not Scale The drawing
2) All the Dimensions Are in Millimeters
3) Footings and Columns are designed for (G+2+GALVOLUME SHEET ROOFING)
4) S.B.C OF SOIL =150 kN/Sqm assumed
5) Live Loads on Of.F, AND St. slabs=3.5 kN/Sqm
6) Reinforcing Fe Steel of Minimum Yield Strength 500 N/Sqmm
7) Unless mentioned Grade of Concrete is M25
8) Lap Shall Be 50ø in Tension & 45ø in compression
9) Clear Cover For Footings 40mm, For Columns 25mm
For Beams 25mm & For Slabs 20mm
10) Read the drawing along with the architectural drawing
11) For any clarification contact structural consultant
12) We are responsible only for structural design of the members and we are not responsible for shoring,propping and scaffolding
13) Owner / contractor shall have the sole responsibility of protecting the neighbour's property while doing the construction

REV No	REV DATE	REMARKS
-	-	-

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PROJECT: CONSTRUCTION OF SWIMMING POOL AT WARD NO 7, AMRUTHNAGAR, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE

CLIENT: BBMP

GROUND FLOOR ROOF BEAM DETAILS

R. KARTHIK RECHAN

R. RUDRAPRASAD

VIJAYALAKSHMI

SCALE: NTS

ATTESTED

Asst. Executive Engineer

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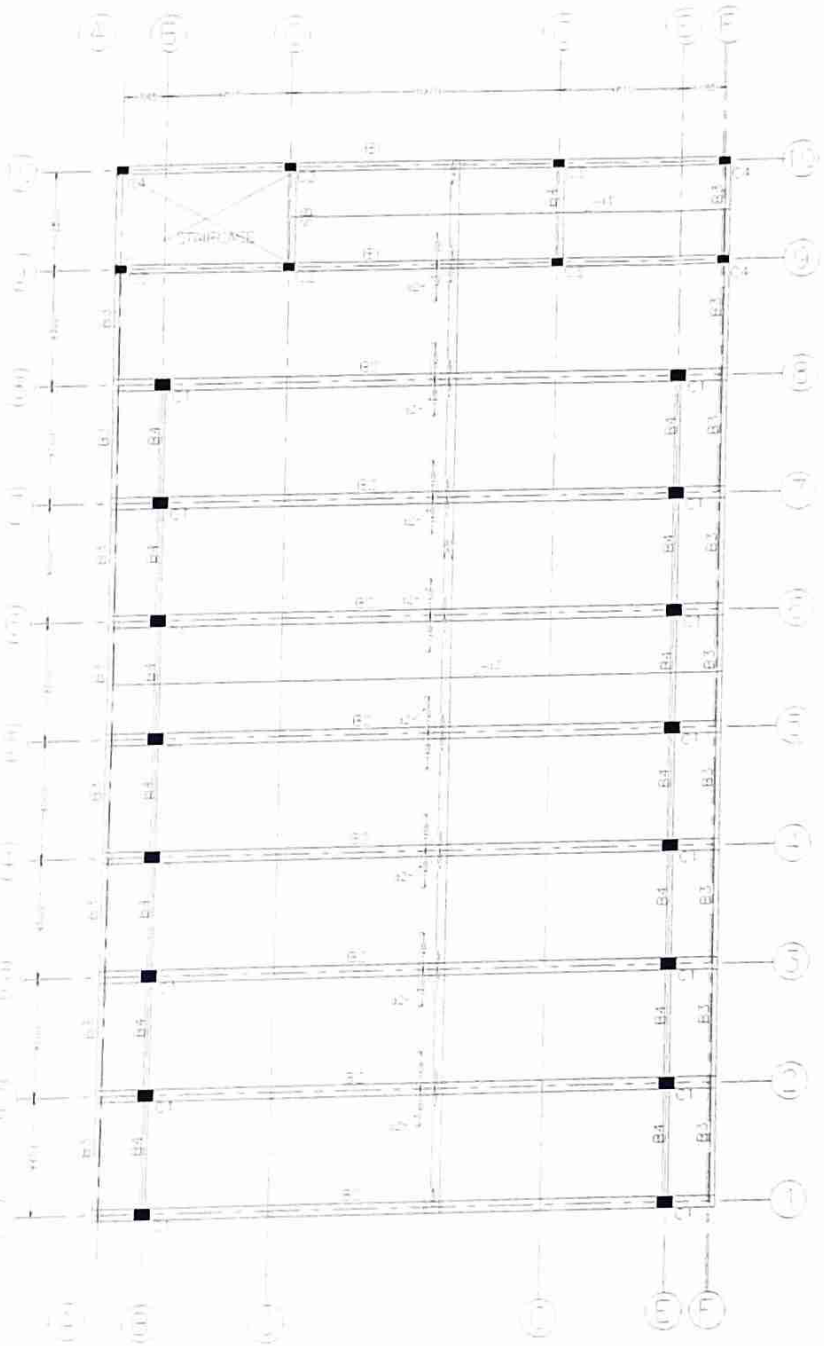

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GROUND FLOOR ROOF SLAB DETAILS

REV No	REV DATE	REMARKS

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT MANAGEMENT CONSULTANTS

PROJECT	CONSTRUCTION OF SWIMMING POOL AT WARD NO.7, AMRUTHNAGAR, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE
CLIENT	BBMP
TITLE	GROUND FLOOR ROOF SLAB DETAILS DETAILS
DESIGN	R. KARTHIK REDHAN
DRAWN	R. RUDRAPRASAD
DATE	08-02-2019
DRG. NO	SA/ST-09

SLAB BAR SCHEDULE

A	12ϕ @130 C/C CRANK ALTERNATE BARS
B	12ϕ @200 C/C EXTRA AT TOP
D	10ϕ @250 C/C DISTRIBUTION

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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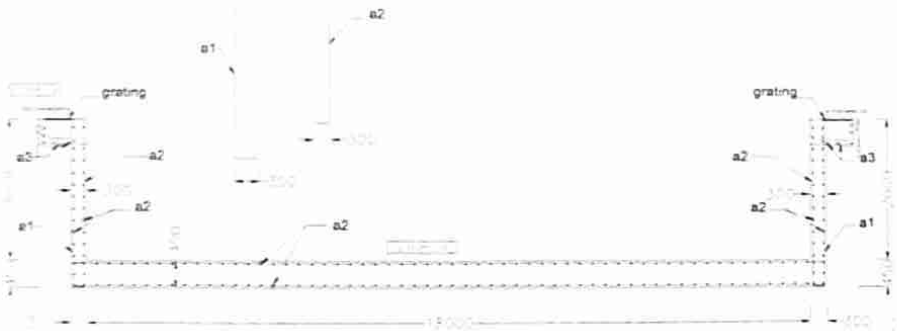
SECTION 1-1



SECTION 2-2

SWIMMING POOL SECTION DETAILS

BAR SCHEDULE	
a1	20# @150 c/c
a2	20# @150 c/c
a3	16# @150 c/c

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Yelahanka Zone

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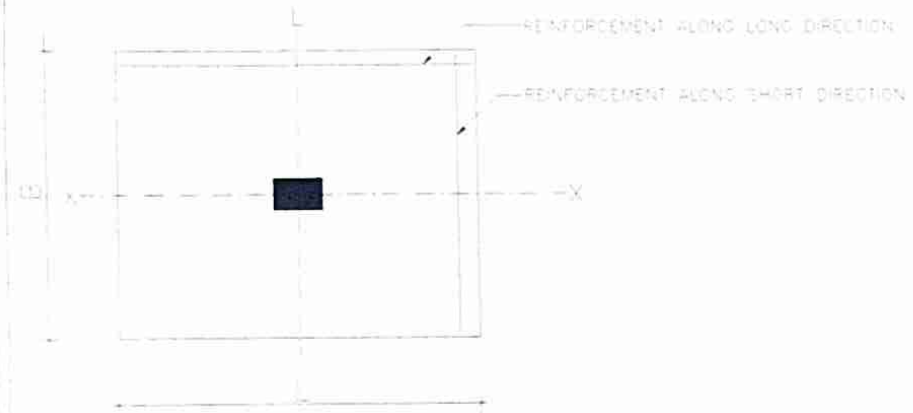
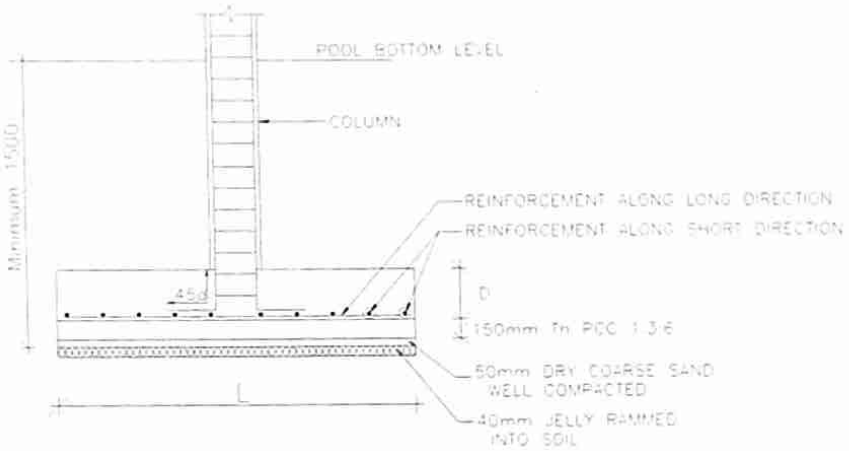


TYPICAL PLAN



SECTION X-X
DETAILS OF TYPICAL
COLUMNS & FOOTINGS

SCHEDULE OF COLUMNS AND FOOTINGS

GRADE OF STEEL .Fy=500N/mm2

TO LEVEL

SECTION				
	14/25#	8/25#	6/25#	4/25# + 2/12#
RINGS	8#RINGS @150c/c	8#RINGS @150c/c	8#RINGS @150c/c	8#RINGS @150c/c
SIZE	600 X 450	450 X 300	450 X 300	450 X 300
MIX	M 25	M 25	M 25	M 25
FROM LEVEL				
COLUMN MARK	C1	C2	C3	C4
L	5000	4200	4000	3500
B	4000	3500	2600	1900
D	900	700	700	600
REINFORCEMENT	31/25# BOTH WAYS	19/20# BOTH WAYS	13/20# BOTH WAYS	15/16# BOTH WAYS
MIX	M 25	M 25	M 25	M 25
REMARKS				

N

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STRUCTURAL ENGINEERS ARCHITECTS
& PROJECT MANAGEMENT CONSULTANTS

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Project Division

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